

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number
WO 2005/005048 A1

(51) International Patent Classification⁷:

B02C 4/28

(74) Agent: GRIFFITH HACK; 509 St Kilda Road, Melbourne, Victoria 3004 (AU).

(21) International Application Number:

PCT/AU2004/000935

(22) International Filing Date: 9 July 2004 (09.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2003903620 11 July 2003 (11.07.2003) AU

(71) Applicant (for all designated States except US):
TECHNOLOGICAL RESOURCES PTY LIMITED
[AU/AU]; 55 Collins Street, Melbourne, Victoria 3000 (AU).

(72) Inventor; and

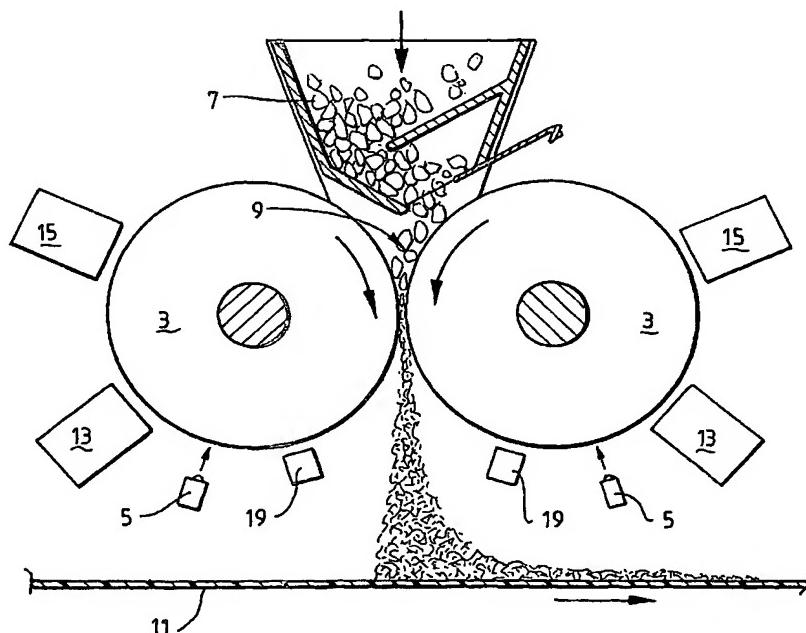
(75) Inventor/Applicant (for US only): **BATTERHAM, Robin, John** [AU/AU]; 153 Park Drive, Parkville, Victoria 3052 (AU).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: REPAIRING CRUSHER ROLLS



WO 2005/005048 A1

(57) Abstract: A roll crusher assembly for use in the mining industry is disclosed. The assembly includes one or more than one roll (3) for crushing a feed material. The roll or rolls has an outer surface that is formed from a wear resistant material. The assembly also includes a means, such as a welding assembly (13), for depositing a hard facing material onto the surface of the roll or rolls as the roll or rolls rotate during a crushing operation.



Published:

— *with international search report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.